

THE TYPE SPECIMENS OF HEKSTRA'S OWLS

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Abstract.—The erroneous holotype designations and errors in the type localities in Hekstra's descriptions of 24 new subspecies of New World owls are corrected. Several scientific names are emended and taxonomic comments are appended for a small number of Hekstra's proposed taxa.

Twenty-four new subspecies of New World owls of the genus *Otus* were named in a paper by Hekstra (1982b) issued 17 December 1982. These same new names also appeared in Hekstra's (1982a) unpublished thesis. The holotypes of the new taxa are in 10 different collections, most of which are in the United States. Incorrect information was published with regard to museum designation, museum number, and collecting locality of many of the holotypes. I here list the holotypes with their correct specimen label data.

The species names are here presented in the sequence proposed by Marshall & King (1988). The subspecies are generally arranged from north to south. The type localities given are standardized, and the spellings are corrected where required. Abbreviations for museum designations are given under acknowledgments. The numbers following the names refer to the pages where the descriptions were given (Hekstra 1982b). Several of the scientific names proposed were spelled incorrectly and these have been emended in accord with Article 31c and Appendix D of the International Code (International Commission on Zoological Nomenclature 1985). Taxonomic comments are appended for a small number of Hekstra's proposed taxa. The remaining forms he named require further study.

Otus flammeolus borealis, p. 56

Holotype.—MVZ 101700, adult female, Penticton, Okanagan Valley, British Co-

lumbia, shore of Okanagan Lake, 22 Oct 1901, collected by Allan Brooks (original number 1818).

Remarks.—The catalogue number of the holotype was given as "10,700." The type locality, as published, did not include Okanagan Lake. Additional specimen label data are the collector's original number and that the holotype was found dead, with the specimen label notation "probably killed two weeks before" (N. K. Johnson, in litt.).

Otus flammeolus frontalis, p. 56

Holotype.—USNM 119650, female, Estes Park, Colorado, 20 Jun 1890, collected by W. G. Smith.

Remarks.—Hekstra (1982b) stated that the holotype was a breeding individual but the specimen label does not so indicate. This form is a recognizable subspecies (J. T. Marshall, pers. comm.).

Otus flammeolus meridionalis, p. 55

Holotype.—MVZ 109708, adult male, 25 Aug 1938, Cuapongo, Guerrero, Mexico, collected by W. W. Brown.

Remarks.—The catalogue number was published as "10978." The original label of the holotype indicates that the testes were minute (N. K. Johnson, in litt.).

Otus seductus colimensis, p. 61

Holotype.—LSUMZ 39853, adult male, 7 miles south of Colima, Colima, [Mexico],

24 Dec 1958, collected by W. J. Schaldach, Jr.

Remarks.—This specimen was number 7001 in the Sheffler Collection, and on an additional label is recorded as “S. no. 4808,” which presumably is Schaldach’s personal catalogue number (J. V. Remsen, in litt.).

Otus trichopsis inexpectus, p. 58

Holotype.—USNM 152828, adult female, Porto Jimenz, Costa Rica, 30 May 1892, collected by Verrill.

Remarks.—Hekstra (1982b) gave the museum designation as Chicago (=Field) Museum of Natural History and the catalogue number as “52828.” The primaries of the holotype are clipped and no doubt the specimen was a captive bird. The specimen is an example of *Otus guatemalae* in the red phase (J. T. Marshall, pers. comm.).

Otus choliba caucae, p. 60

Holotype.—RMNHL 8091, [adult] male, El Tambo, 5100 ft., Rio Cauca, Colombia, 25 June 1938 [collected by Kjell von Schneidern].

Remarks.—There is no indication of the age or collector on the specimen label of the holotype but the published information (as above) is correct (G. F. Mees, in litt.).

Otus choliba montanus, p. 61

Holotype.—BM(NH) 1914.11.22.219, adult male, Valle, Montana Sierra, 2000 m, Mérida, [Venezuela], 15 Apr 1909, collected by S. Briceno Gabaldon.

Otus choliba kelsoi, p. 61

Holotype.—AMNH 59483, adult male, Princes Town, Trinidad, 10 Mar 1893, collected by Frank M. Chapman.

Remarks.—In naming this form Hekstra (1982b) stated that *kelsoi* “replaces *Otus choliba portoricensis* Kelso . . . preoccupied.” However, Kelso (1942) clearly did not introduce a new name but only referred the population from Trinidad to the name

Scops portoricensis Lesson, 1831. Hekstra (1982b) proposed *kelsoi* as the name of a new taxon (Greenway 1987). Hekstra (1982a) spelled the specific locality as “Princetown” which is the same as on the specimen label. Modern gazetteers spell the locality as Princes Town.

Otus choliba guyanensis, p. 60

Holotype.—BM(NH) 1888.7.20.63, adult male, Mt. Roraima, 3500 ft., Guyana; 9 Jan 1884, collected by H. Whitely, Jr. (P. R. Colston, in litt.).

Remarks.—The catalogue number was published as “88.7.20.63.” The type locality of *guyanensis* is the same as that for *Scops roraimae* Salvin, 1897 (= *Otus guatemalae roraimae*, cf. Peters 1940), a name based on topotype 1888.7.20.62 that was collected by H. Whitley, Jr., on 1 Oct. 1883 (Warren 1966).

Otus choliba caatingensis p. 59

Holotype.—FM 191645, adult male, Jan-aúba, northern Minas Gerais, [Brazil], -- Jul 1949, collected by Ricardo Medeiros Berla.

Otus choliba chapadensis, p. 59

Holotype.—AMNH 34595, adult female, Chapada, Mato Grosso, [Brazil], 9 Feb 1883, collected by H. H. Smith.

Remarks.—The holotype of *O. atricapillus fulvescens* Hekstra, AMNH 34597, was collected by Smith from the same locality as the holotype of *chapadensis* (see beyond).

Otus choliba uruguiensis, p. 59

Holotype.—AMNH 769736, adult female, Arroyo, Urugua-i, km 10, Misiones, Argentina, 29 May 1958, collected by W. H. Partridge.

Remarks.—Hekstra (1982b) proposed the trinomial as “*urugaii*” and under the heading of the derivation he spelled the name as “*uruguii*.” The AMNH catalogue number was given by Hekstra (1982b) as “76736” (see Greenway 1987). Hekstra (1982b) gave

the collecting locality as "Argentina, Misiones, Arroyo, River Uruguai, km 10."

Otus choliba alilicuco, p. 59

Holotype. — BM(NH) 1899.1.27.236, adult male, Rosario, Province Salta, Argentina, 15 Sep 1896, collected by Gesling, formerly R. P. Moreno collection (P. R. Colston, in litt.)

Remarks. — Hekstra (1982b) published the catalogue number as "99.1.27.235," and year the of collection as "1895."

Otus choliba koepckeae, p. 60

Holotype. — AMNH 802425, adult female, near Yungai, 4000 m, Quebrada Yungay, Cordillera Blanca, Departamento Ancash, Peru, 3 Aug 1960, collected by Maria Koepcke.

Remarks. — Hekstra (1982b) referred to the holotype as no. 1699 from the Koepcke collection "on loan at AMNH." The name was originally spelled by Hekstra as "*koepcke*" and was properly emended to to *koepckeae* by Greenway (1987). This form is considered a distinct species by Marshall & King (1988).

Otus atricapillus moreliensis, p. 62

Holotype. — AMNH 115738, male, Morelia (Rio Bodoquera), Caqueta, 600 ft., Colombia, 22 Jul 1912, collected by L. E. Miller.

Remarks. — The trinomial was originally spelled "*morelius*" and the locality as "La Morelia" by Hekstra (1982b), who referred to the locality Caqueta as "Rio Caqueta." *Otus atricapillus* is known only from Paraguay and adjacent Brazil, and the holotype may represent either *O. sanctaecatrinae* or *O. choliba* (J. T. Marshall, pers. comm.).

Otus atricapillus inambariensis, p. 62

Holotype. — FM 222284, female, Huajyumba, near Quincemil on the Rio Inambari, 630 m Cuzco, Peru, 28 Jun 1953, collected by C. Kalinowski.

Remarks. — Hekstra (1982b) spelled the trinomial as "*inambarii*," from the locality Rio Inambari. He gave the type locality as "Quince Mil. Huajyumba, at side of river of the Inambari, Cuzco, 630 m, Peru." However, the Rio Inambari is 45 km SE of Quincemil (see Stephens & Traylor 1983). The holotype, an adult (D. Willard, in litt.), resembles examples of *O. watsonii* in the brown phase (D. Willard & J. Fitzpatrick, pers. comm.).

Otus atricapillus ater, p. 61

Holotype. — USNM 513892, adult male, Belem, Para, [Brazil], 22 Jul 1964, collected by Phillip S. Humphrey.

Remarks. — The "USNM field nr. 196899," given for the holotype by Hekstra (1982b), is the collector's catalogue number. Additional information on the specimen label include reproductive data and soft part colors. The holotype is an example of *O. watsonii* (pers. observ., J. T. Marshall, pers. comm.).

Otus atricapillus fulvescens, p. 62

Holotype. — AMNH 34597, adult female, Chapada, Mato Grosso, [Brazil], 20 Jul 1883, collected by H. H. Smith.

Remarks. — The holotype of *O. choliba chapadensis* Hekstra, AMNH 34595, was collected by Smith from the same locality as the holotype of *fulvescens*.

Otus guatemalae pettingilli, p. 56

Holotype. — DMNH 52892 (ex Cornell Univ. 10445), female, above Rio Savinas near Gomez Faria, Tamaulipas, Mexico, 11 Apr 1941, collected by O. S. Pettingill, Jr. (original no. 1046).

Remarks. — Hekstra (1982b) did not name the repository or give a catalogue number for this holotype. Under the heading "Type" and following the new name, Hekstra (1982b) wrote, in quotes: "G. M. Sutton, 1949 (manuscript name)." Under the heading "Derivation of name," Hekstra stated

that the name *pettingilli* was "from a manuscript name on a label (by Griscom?)." The holotype of *pettingilli* is the specimen of *Otus guatemalae* referred to by Sutton & Pettigill (1942) as being similar in size but grayer above than the holotype of *O. g. cassini*.

Otus guatemalae petenensis, p. 57

Holotype. — UMMZ 137395, adult female, Laguna Perdida, Peten, Guatemala, 18 Apr 1920, collected by P. W. Shufeldt (R. W. Storer, in litt.).

Remarks. — Hekstra (1982b) spelled the trinomial as "*peteni*" from the locality Peten. The name of the lake was incorrectly spelled as "Perida."

Otus guatemalae centralis, p. 57

Holotype. — USNM 484980, adult female, Cerro Mali, 4100 feet, Darien, Panama, 14 Feb 1964, collected by C. O. Handley, Jr.

Remarks. — Additional information on the specimen label: "skull oss; ovary 15 × 10 [mm]; largest ova 3."

Otus guatemalae pallidus, p. 57

Holotype. — AMNH 476699, adult, sex unknown, Andes de Cumana, northern Venezuela, -- Mar 1897, collected by Eng. André, formerly Museo Delmas (no. B.11.3.C.-81) and Rothchild Collection.

Remarks. — Hekstra (1982b) omitted the name of the collector and data on the museums formerly holding the specimen (see Greenway 1987).

Otus guatemalae rufus, p. 58

Holotype. — BM(NM) 1888.7.20.64, adult, sex unknown, Balzar Mtns., western Ecuador, -- Mar 1880, collected by Illingsworth.

Remarks. — The museum designation was given by Hekstra (1982b) as "USNM" although the catalogue number was given as above. Derek Goodwin (in litt.) confirmed

that this specimen is in the British Museum (Natural History).

Otus guatemalae pacificus, p. 58

Holotype. — BM(NH) 1902.3.13.1564, adult female, Morropon, 140 m, Piura, northwestern Peru, 27 Aug 1899, collected by P. O. Simons.

Remarks. — The catalogue number of the holotype was given by Hekstra (1982b) as "BM 023.13.1564."

Acknowledgments

I thank the following who verified the information on the specimen labels and the museum catalogue numbers of the holotypes: M. LeCroy, American Museum of Natural History (AMNH); D. Goodwin and P. R. Colston, British Museum (Natural History) (BM(NH)); D. Niles, Delaware Museum of Natural History (DMNH); D. Willard and S. Lanyon, Field Museum of Natural History (FM); J. V. Remsen, Jr., Louisiana State University Museum (LSUMZ); N. K. Johnson, Museum of Vertebrate Zoology (MVZ); G. F. Mees, Rijksmuseum van Natuurlijke Historie (RMNH); and R. W. Storer, University of Michigan Museum of Zoology (UMMZ). The other holotypes are in the collection of the U.S. National Museum of Natural History (USNM).

R. C. Banks, N. K. Johnson, M. LeCroy, and J. T. Marshall read the manuscript and offered helpful suggestions.

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